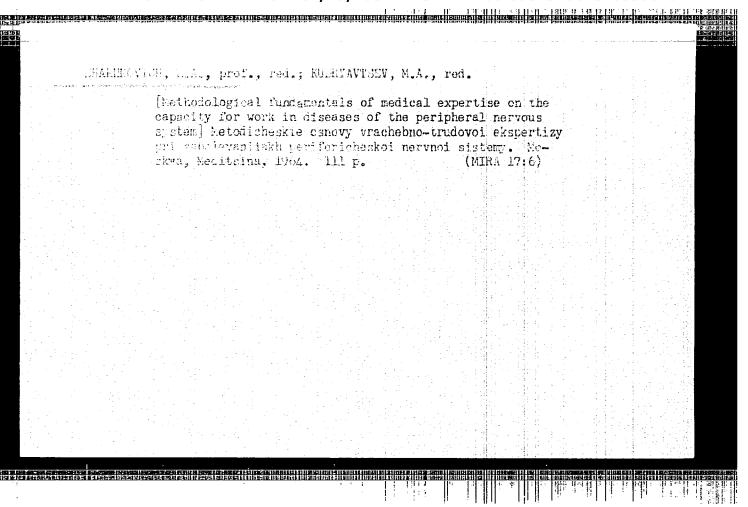
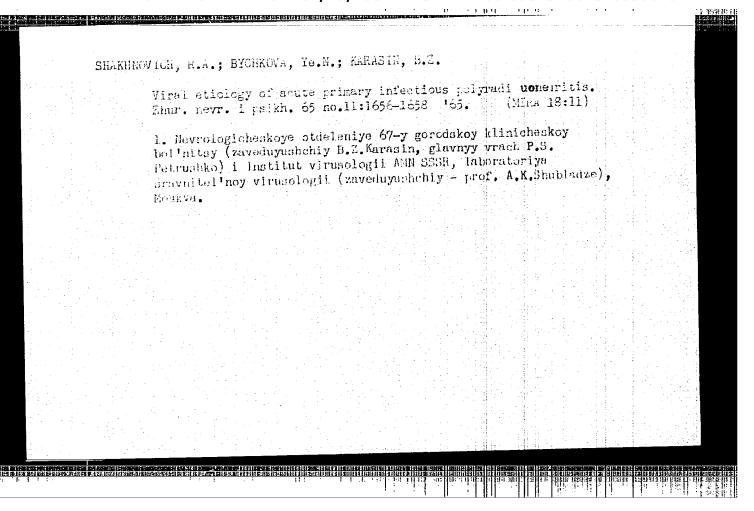
DROGICHINA, E.A., doktor med. nauk; KEVORK'YAN, A.A., prof.; LUR'YE,
Z.L., prof.; LISITSA, F.M., dotsent; PENTSIK, A.S., prof.;
PESHKOVSKIY, G.V., prof.; SHAKHNOVICH, R.A., prof.; DAVIDENKOV,
S.N., prof., otv. red.; BOGOLEPOV, N.K., prof., zam. otv. red.;

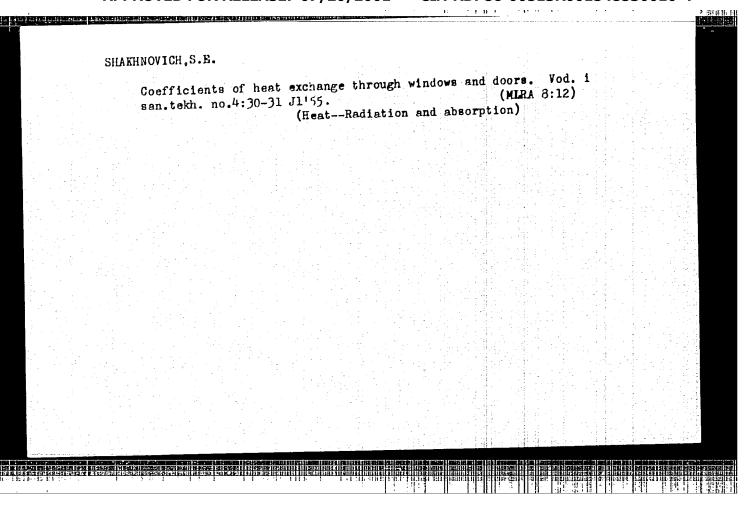
[Multivolume manual on neurology]Mnogotomnoe rukovodstvo po nevfologii. Moskva, Medgiz. Vol.3. Book 2.[Infectious and topic
diseases of the nervous system]Infektsionrye i toksicheskie bolezni nervnoi sistemy. 1962. 524 p. (MIRA 15:11)

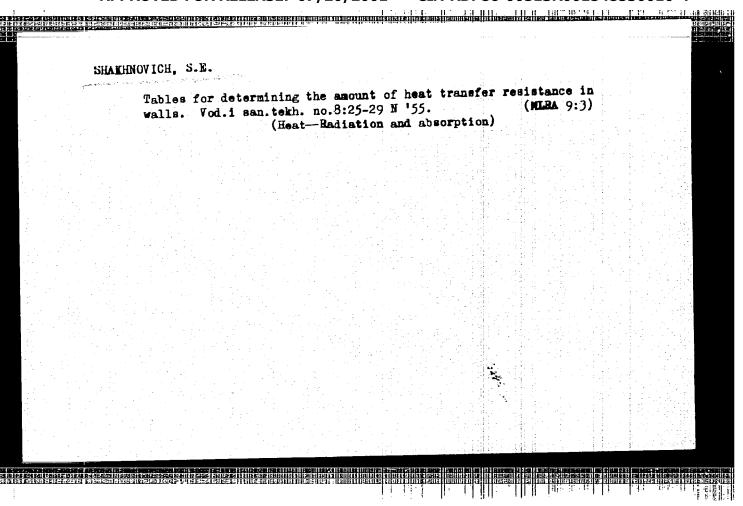
1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Davidenkov). (NERVOUS SYSTEM--DISEASES)

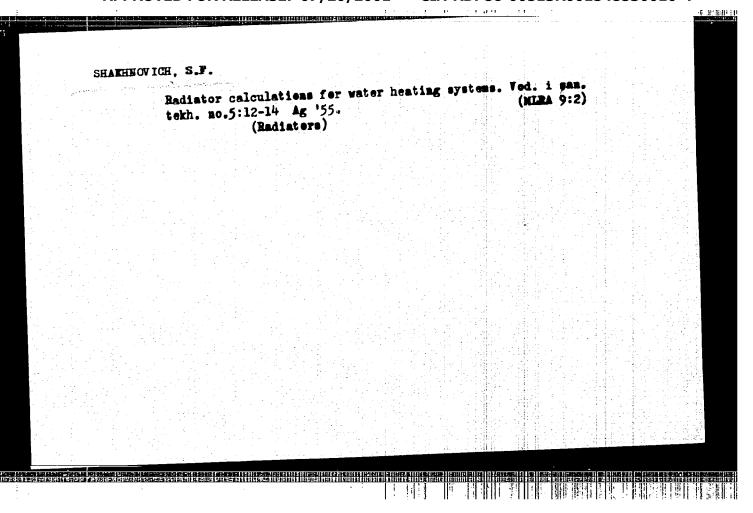




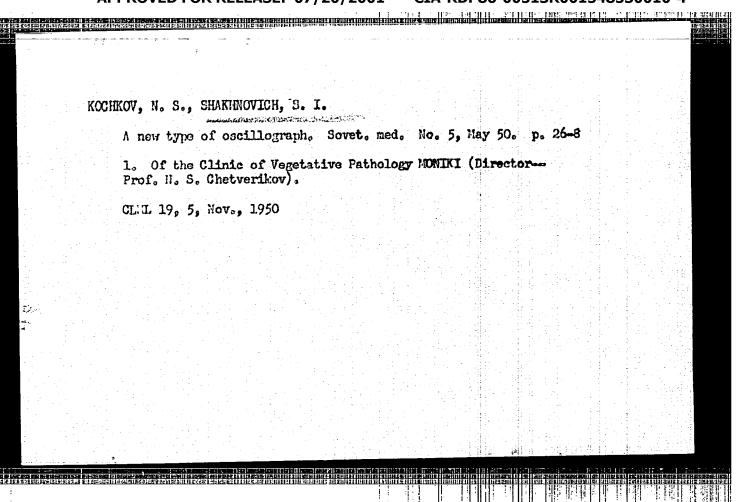
	Viral etion grad acots primery infectious polyracianementies. Zhur, nevr. : patks. 65 no. 1.20656-1658 165. (MIRA 18:11)
	l. Newrologi cheskoy = of sleniye they gorodskoy klinicheskoy bol'nitsy (zavednyoshoniy 8.7.Karasin, glavnyy vrach 8.2. Petrushko) : Tostitut virusologii AMN SSSR, laboratoriya sravnitelinoy virusologii (zavednyushonly - prof. A.K.Shubladze), Moskva.







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SHAKHNOVICH, S	. T. Cand. Med. Sci	•			
Dissertation:	"On the Visceral Di	sturbances in Afi	ections of the	Cerebral Cortex.	, n
Central Inst.	for Advanced Trainin	g of Physicians.	27 May 47.		
SO: Vechernya	ya Moskva, May, 1947	(Project #17836)			
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KRASHOV, M.L., professor.; KRICHEVSKAYA, Ye.I., kandidat meditsinskikh nauk.;

SHAKENOVICH, S.I., kandidat meditsinskikh nauk.; SHUL'PINA, N.B.

kandidat meditsinskikh nauk.; GEL'PMAN, A.Ya.vrach.

Dicoumarin in a thromboembolic syndrome of the retinal blood vessels.

Vest. oft. 68 no.1:3-8 Ju-F '56 (MERA 9:5)

1. Iz kafedry glaznykh bolezney TSentral'nogo instituta

usovershenstvovaniya vrachey (zav.-prof. M.L. Krasnov) i Moskovskoy

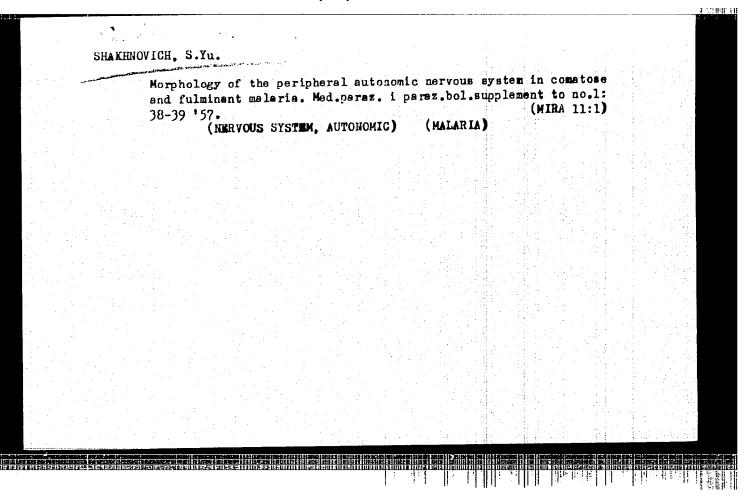
glaznoy klinicheskoy bol'nitsy (glav. vrach-I.A. Lyubchenko)

(RETINA--BLOOD SUPPLY)

SHAKHNOVICH, S.Yu.

Invasion of crythrocytes by Plasmodium in various clinical forms of tropic malaria. Med. parazit., Moskva no.1:48-59 Jan-Feb 1953. (CIML 24:4)

1. Of the Propedentic Therapentic Clinic of the Pediatric and Sanitary Faculties of Tashkent Medical Institute.



18(5,7)
AUTHORs: Zacetskiy, G.F., and Shakhnovich, V.A., Engineers

TITLE: New Method to Study solidification Processes

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 4, pp 34-35 (USSR)

ABOTRACT: Under the methods to determine the peculiarities in the formation of the hard phase during the solidication process of castings, the authors special interest is directed to one method which is based on the introduction of radioactive isotopes into the fluid phase and their distribution in between the fluid and the hard phase. This method makes it possible to determine at any given moment the extent of the hard phase. It is also possible to trace a heterogeneous concentration. Although this method is not questioned in its value it is applied only to a small extent as a re-

tion. Although this method is not quote value, it is applied only to a small extent as a result of the high costs connected with it. It was therefore decided (on a proposal of G.F. Zasetskiy) to introduce sulphur into the fluid phase in order to get a better knowledge of the solidification pro-

Card 1/3 cess. This method is based on the difference in the

New Method to Study bolidification Processes SOV/128-59-4-15/27

diffusion of sulphur in the fluid and in the hard phase, and also on the fact, that crystal sulphur com-bines with iron. The amount of sulphur in the iron indicates at any given moment from the beginning of the colidification, how thick the layer of the hard phase is. The amount of sulphur brought into the fluid phase should exceed the normal percentage of culphur in the metal by 5 to 10 times. To bring the sulphur in the fluid phase of the casting it is necescary to keep the ricer part of the casting in a fluid state. This is done by heating the casting. This method makes it possible to trace the development of the different stages in the solidification process. Furthermore the separating surface of the fluid and the hard phase, the dendrite structure on this surface, the metal flow in the fluid phase, and the influence of that flow on the formation of the microstructure of the cast can be determined. Figure 1 shows the outline of the layer in the hard phase, figure 2 shows

Card 2/3

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S/126/60/000/007/006/017 A105/A033

AUTHOR: Shakhnovich, V.A.

TITLE: Burning Loss of Alloying Elements During Steel Melting in Induction

Furnaces

PERIODICAL: Liteynoye proizvodstvo, 1960, No. 7, p. 39

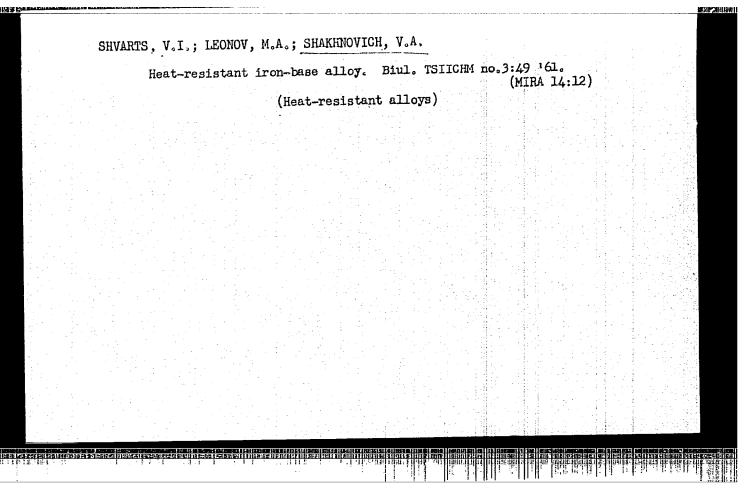
TEXT: The author describes steel melting processes in open induction furnaces with magnesite-lined crucibles of 12, 50, 80 and 150 kg capacity. The charge consisted of carbon steel cuttings of the following chemical composition: 0.04-0.07% C; 0.2-0.3% Si; 0.15-0.3% Mn; 0.2% Ni; 0.2% Cu; 0.025-0.035% S; 0.015-0.025% P and alloying additives with a lower oxygen affinity than Ni, FeMo, Cu, FeW. A slag cover was obtained by adding freshly burnt lime and fluorspar to the amount of 2-3% of the charge weight. After melting and overheating to 60-80°C the melted slag was removed and replaced by a fresh one of identical composition. Melted slag was reduced with 70% Al and 30% CaO to white slag, the bath being deoxidized beforehand with 0.2% Mn and 0.2% Si. The reduced and heated metal (1,560-1,600°C) was enriched with FeCr, Card 1/6

S/128/60/000/007/006/017 A105/A033

Burning Loss of Alloying Elements During Steel Melting in Induction Furnaces

heated to 200-300°C. After adding more than 4% Cr the ferrochrome was heated to 500-600°C. After its complete melting the remaining ferromanganese and ferrosilicon was added, provided the manganese and silicon-content in steel did not exceed 0.6%. The metal was then heated to its final temperature, the slag reduced with B CaO removed, and the metal reduced with 0.03% aluminum after which ferro-vanadium, ferrotitanium, ferroniobium and silicon-zir-conium were added. The final reduction was achieved by the addition of 0.15% calcium silicon. Data on the burning loss rate of various alloying agents are shown in the Table. There is 1 table.

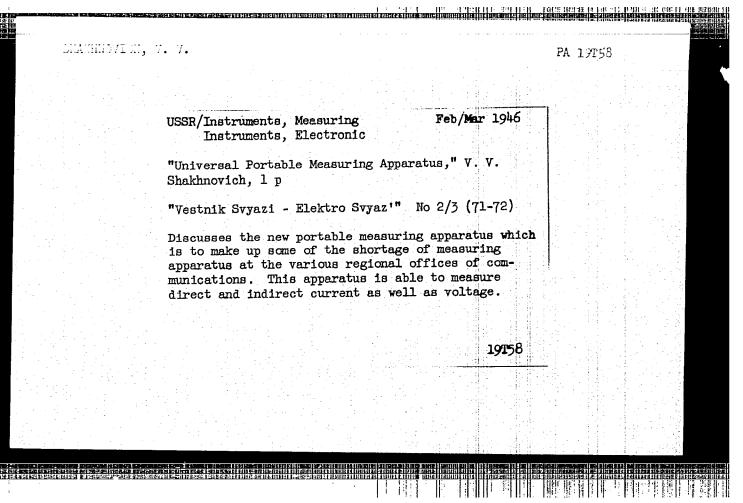
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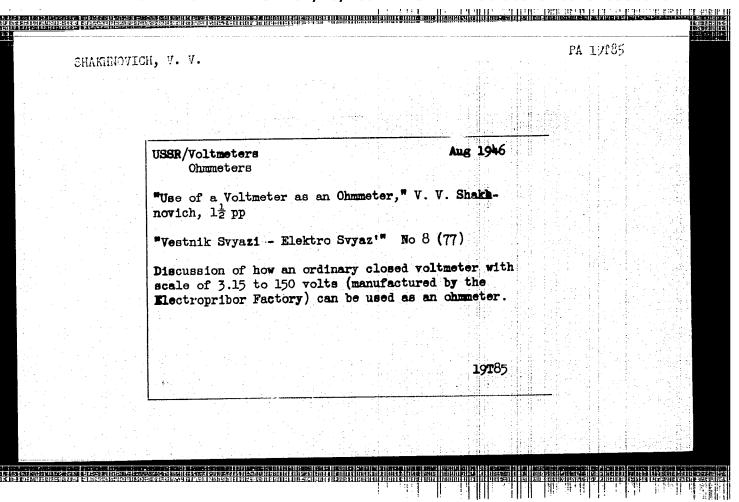


	L 13274-66 EWT(m)/EWA(d)/EWP(t)/EWP(z)/EWP(b)/EWA(h) JD	
ſ	ACC NR: AP6002907 BOURCE CODE: UR/0286/65/000/024/0073/0073	:
-	INVENTOR: Shvarts, V.I.; Tsypkina, Ye. D.; Rogachevskiy, Ya. Ye.; Shakhnovich, V. A.;	
	Uvarov, V. A.; Rovenskiy, I. L.; Balter, M. A.; Likhovskikh, M. N.	
.	Uvarov, v. A.; Rovenskiy, 1. D.,	
	ORG: none	**
	TITLE: Cast, heat-resistant, iron-base alloy. Class 40, No. 177078	The state of the s
	SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 73	ALL AND THE STATE OF THE STATE
	TOPIC TAGS: alloy, cast alloy, heat resistant alloy, iron base alloy, chromium containing alloy, nickel containing alloy, tungsten containing alloy, molybdenum containing alloy, niobium containing alloy, manganese containing alloy	
	ABSTRACT: This Author Certificate introduces a cast, heat-resistant, iron-base; alloy. To improve mechanical and technological properties, the alloy composition is as follows: 0.18—0.22% carbon, 19—21% chromium, 24—26% nickel, 4.5—5% fungsten, follows: 0.18 molybdenum, 0.9—1.1% niobium, 0.1% nitrogen, 0.02% cerium, 0.005% boron, 0.9—1.1% molybdenum, 0.9—1.1% niobium, 0.1% nav each of sulfur and phosphorus. [AZ] 0.8% max silicon, 1.2—1.5% manganese, 0.03% max each of sulfur and phosphorus.	
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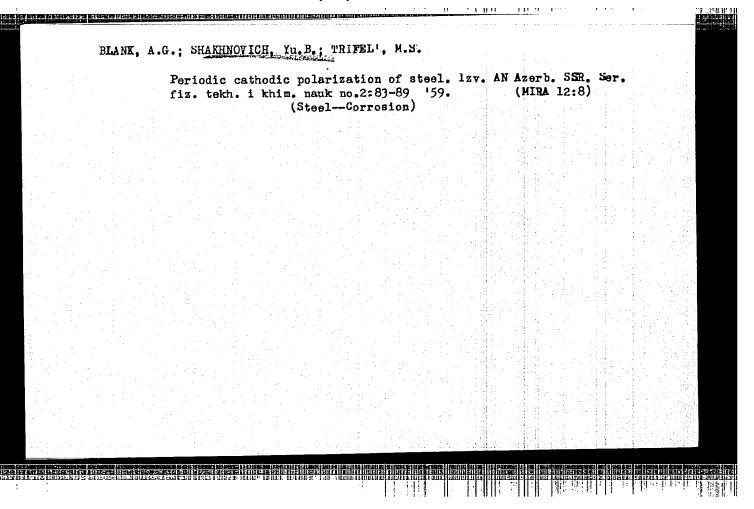
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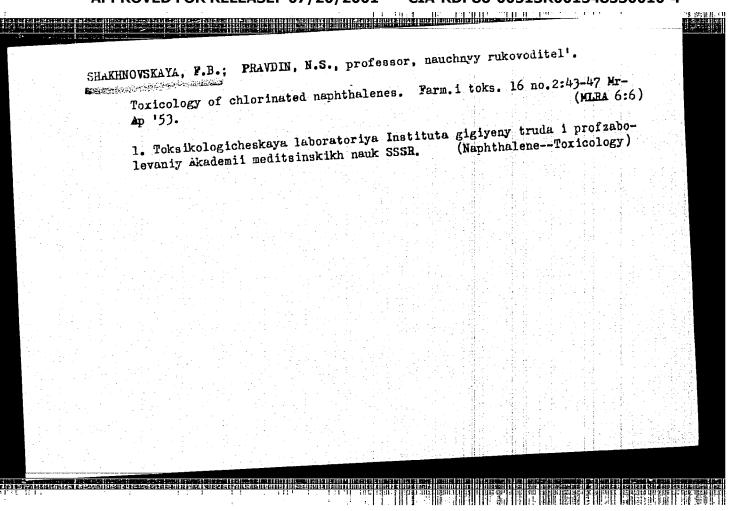
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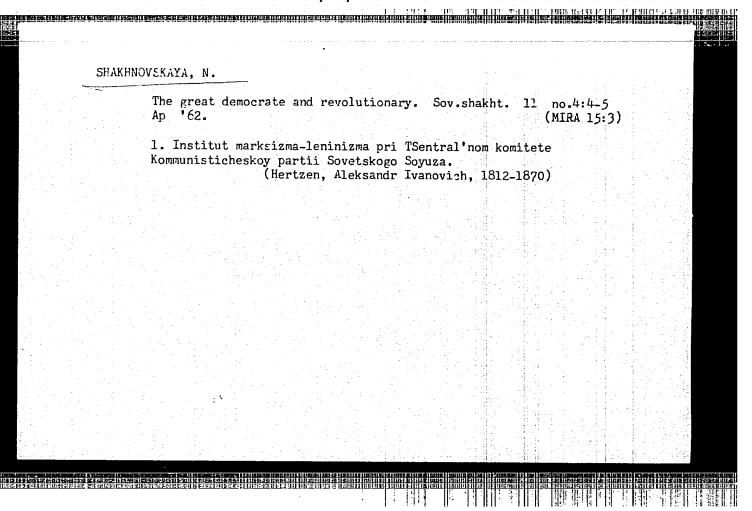


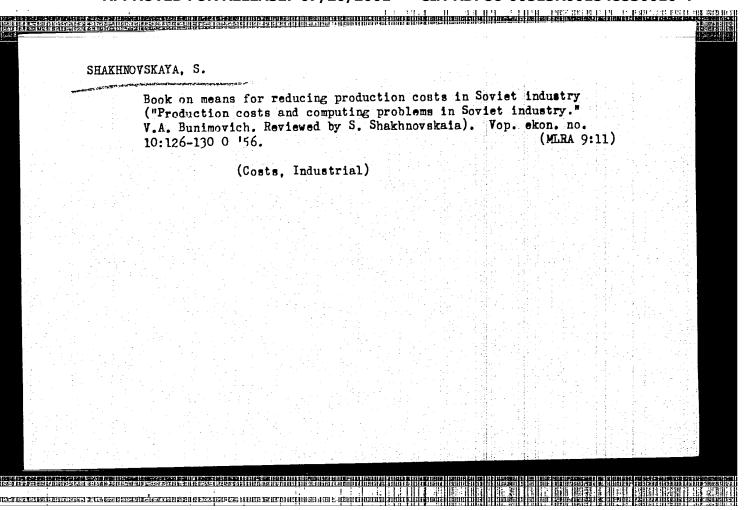
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	Invisible	rays. Zdorov (ULTRAVIOLET	r'e 4 no.12:21 D RAYS)	158	(HIRA	11:12)	

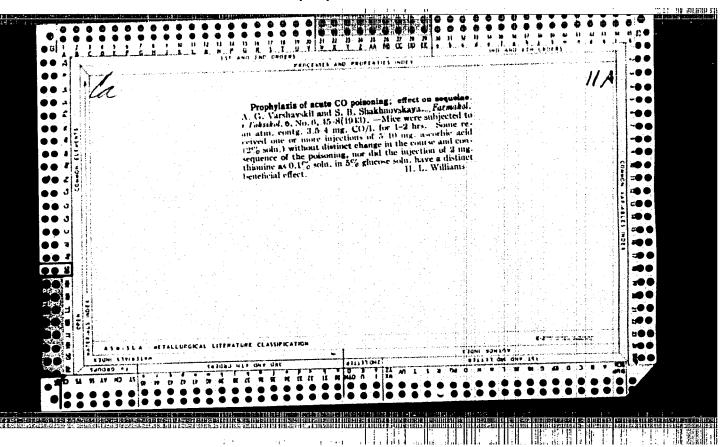


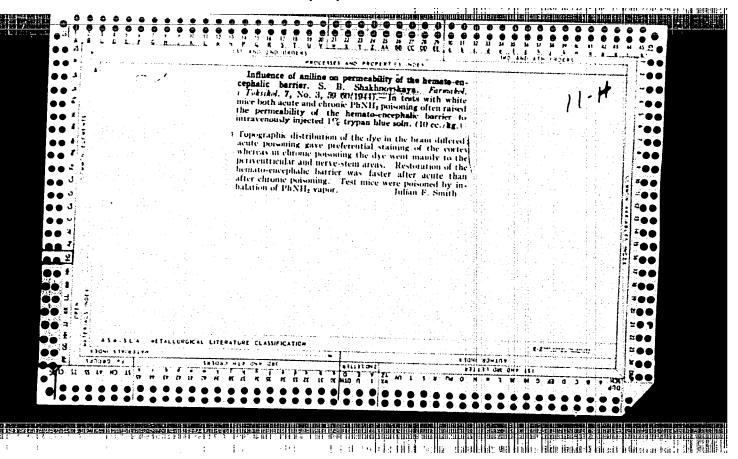


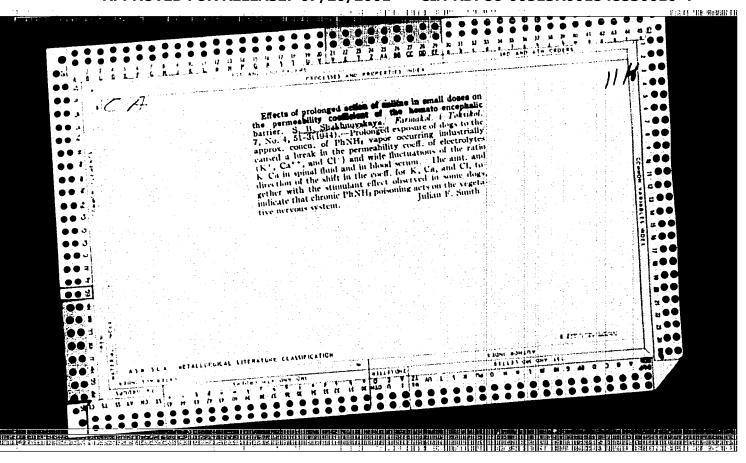
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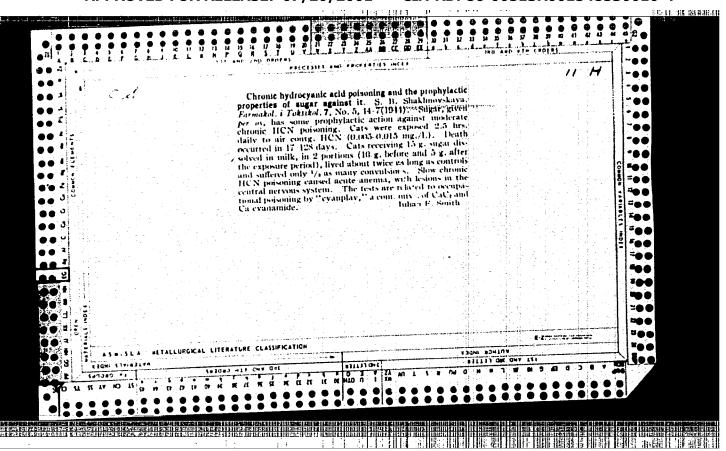


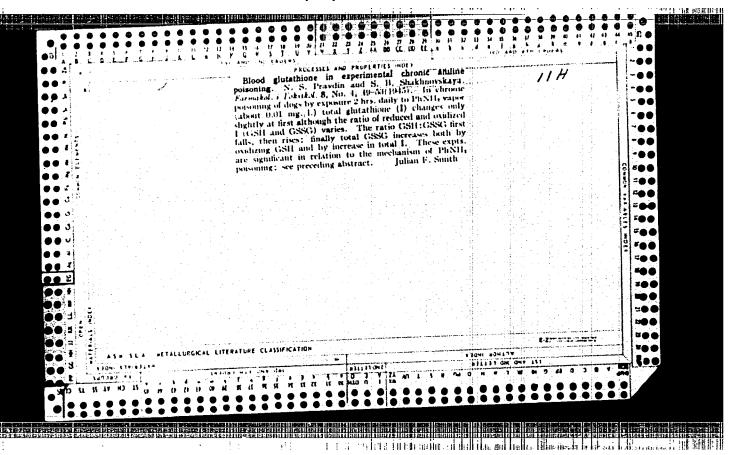


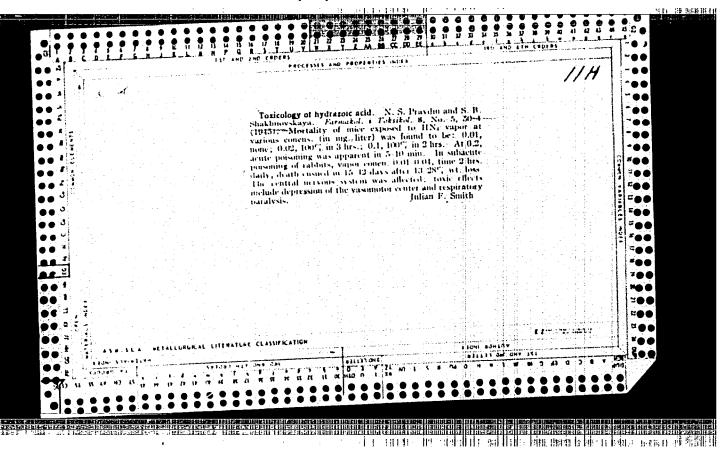


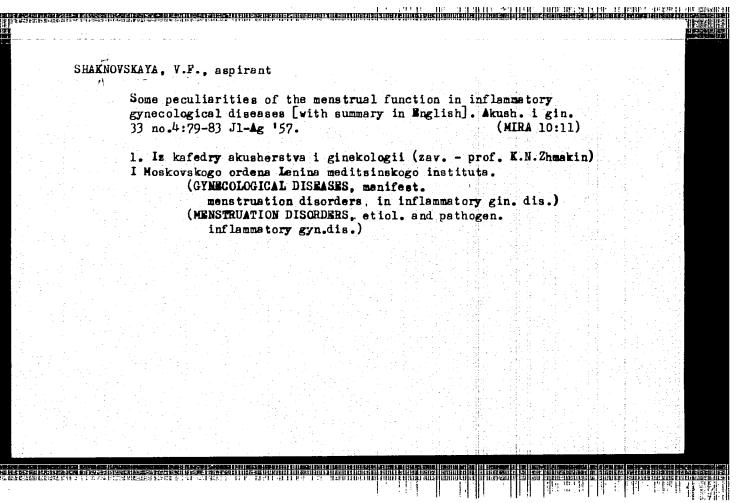












SHAKHNOVSKAYA, V. F. Cand Med Sci --(diss) "Certain peculiarities of the menstrual function of women with inflammatory diseases of the genital organs." Mos, 1958. 11 pp (1st Mos Order of Lenin Med Inst im I. M. Sechenov), 200 copies (KL, 13-58, 101)

"APPROVED FOR RELEASE: 07/20/2001 CIA-RDP

CIA-RDP86-00513R001548530010-4

BLOSHANSKIY, Yu.M.; VANIMA, L.V.; VYKHLYAYEVA, Yo.M.; ZHMAKIN, Konstantin Mikoloyevich, prof.; LOTIS, V.M.; MAHUHLOVA, I.A.; MOISETENKO, M.D.; STAO BI-LTAN [Hsiso Pi-lien]; STRONGINA, T.N.; TRUYEVTSEVA, G.V.; SHAKHHOVSKAYA, V.F.; GARVEY, H.H., red.; NAVROTSKIY, O.G., tekhn. red.

[Physiology and pathology of the menstrual function] Fiziologia i petologiis menstrual'noi funktsii. Otv. red. K.N. Zhmokin. Moskva, Pervyi Mosk. med. in-t, 1960. 174 p. (MIRA 14:5)

1. Sotrudniki kafedry skusherstva i ginekologii 1-go Moskovskogo ordens Lenins Meditsingkogo instituts im. I.M. Secherova (for all except Garvey, Navrotskiy).

(MENSTRUATION)

SANTOTSKIY, M.I., doktor med. nauk; BUKHMAN, A.I., kand. med. nauk;
SHAKHMOVSKAYA, V.F., kand. med. nauk; GOLUBEVA, I.V.

Pneumogyaecography in endocrine diseases. Probl. endck. i
gorm. 9 no.5:97-100 S-0'63

1. Iz rentgenologicheskogo otdeleniya (zav. H.I.Santotskiy)
i ginekologicheskogo otdeleniya (zav. - prof. S.K.Lesmoy)
Vsesoyznogo nauchmo-issledovatel'skogo instituta eksperimental'noy endokrinologii (dir. - prof. Ye.A. Vasyukova).

Helicaleventhal syndrome. Arish. 1 gin. 40 no.3:59-65 My-Ja (t).

Pteiroleventhal syndrome. Arish. 1 gin. 40 no.3:59-65 My-Ja (t).

(MIRA 18:5)

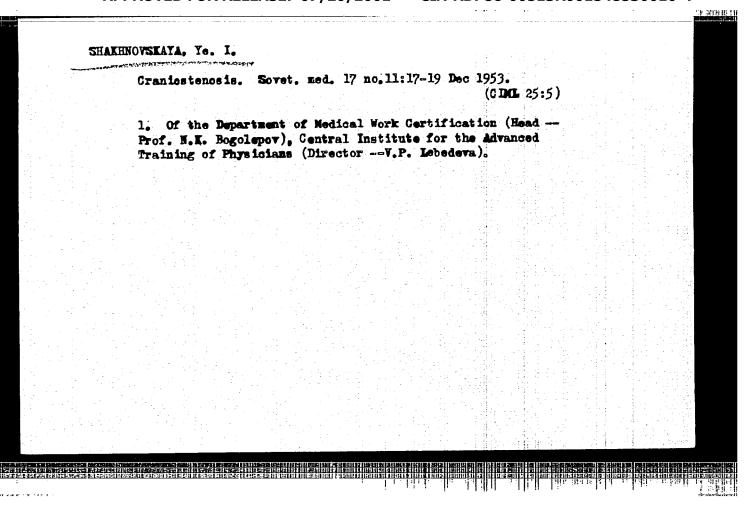
1. Ginskologisheskoya otdeleniye Vsesoyuznogo instituba eksperimentalinoy endokrinologii (iir. - prof. Ye.A.Vasyukova),

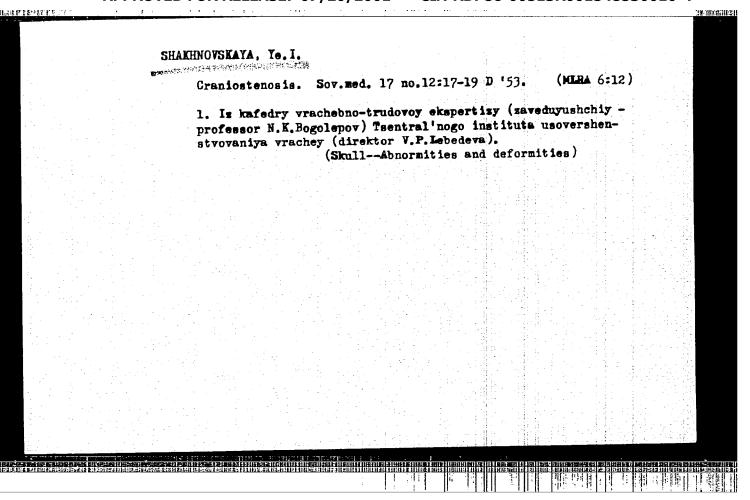
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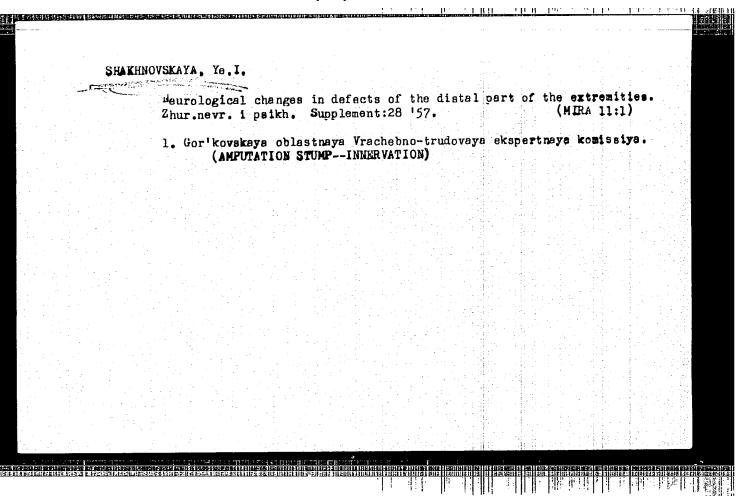
KALININ, A.P.: SHAKHNOVSKAYA, V.F.; ZARETSKIY, M.M.

Pregnancy and lator in Itsenko-Gushing's disease. Probl. endok.
i gore. 11 nc.6:13-17 N -D '65.

1. Teropevticheskoye otdeleniye (zav. - kand. mod. nauk A.G.Vasi11'yova) i khtrurgicheskoye otdeleniye (zav. prof. O.V.Nikolayev)
Instituta eksperimental'noy endokrinologii ANN SSSR, Hoskva.







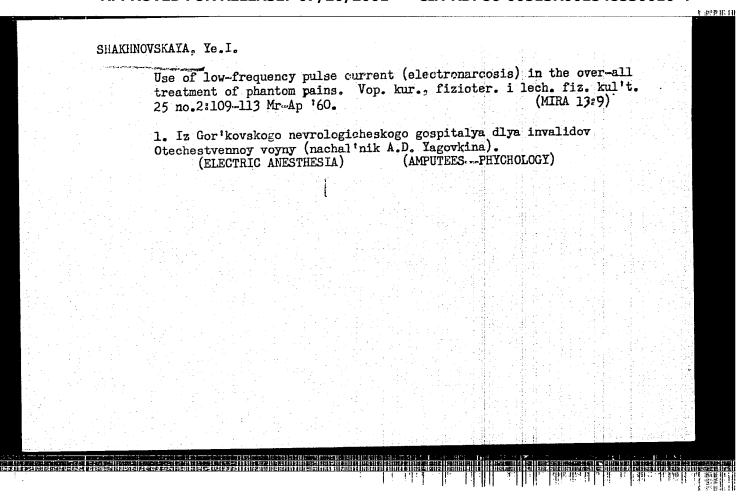
POLOZOVA, R.A., SHAKHNOVSKAYA, Ye.I.

Cerebral form of obliterating endarteritis; neurological syndrome.
Sov.med. 22 no.7:83-89 Jl '58

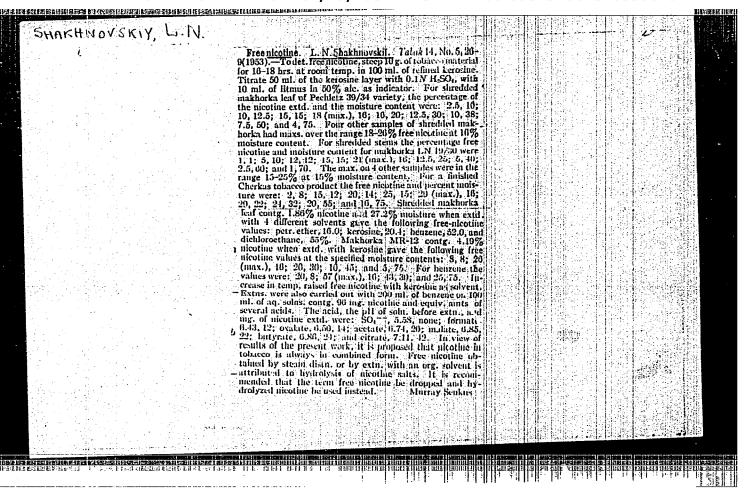
1. Iz Gor'kovskogo nervorlogicheskogo gospitalya invalidov
Otechestvennoy voyny (nachal'nik A.D. Yagovkina).

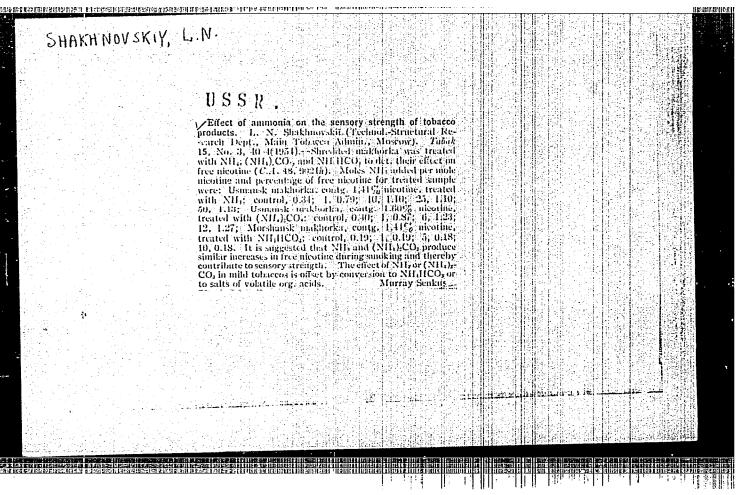
(ARTERIOSCIEROSIS, OBLITERANS, pathol.
brain blood vessels (Rus))

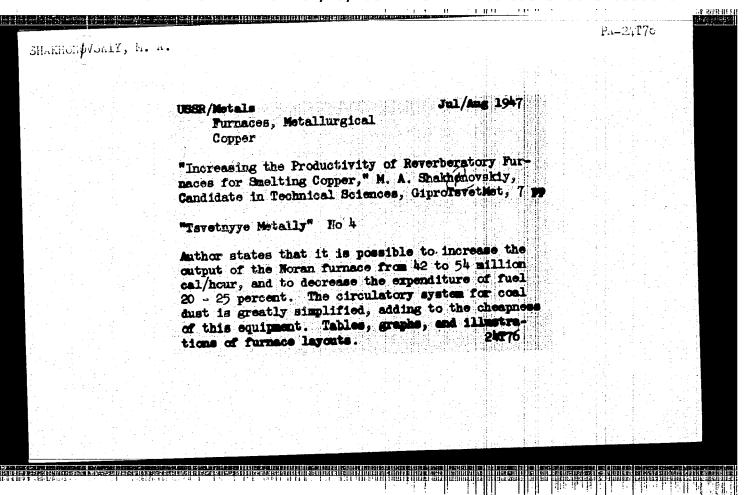
(ARTERIES, CAROTID, dis.
arteriosclerosis obliterans (Rus))

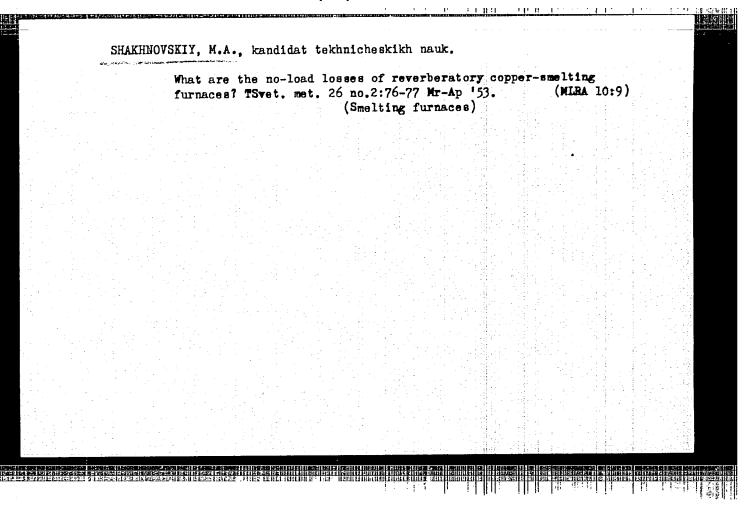


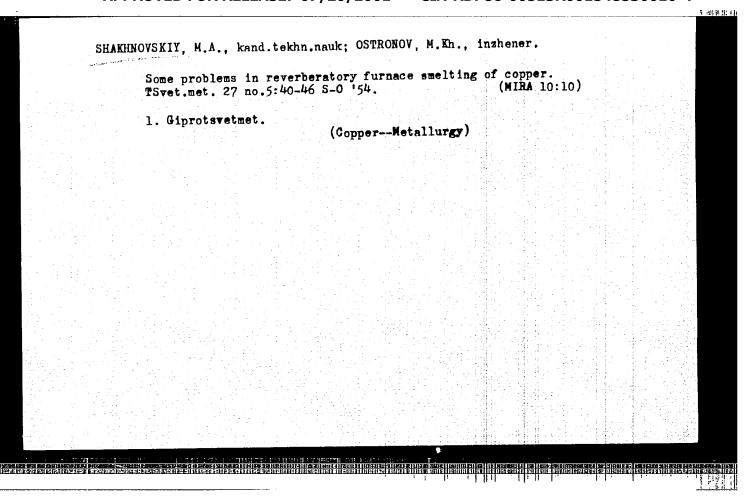
2.	, USSR (600)	
4.	. Pneumatic-Tube Transportation	
7.	. Removal of dust and trash from dry shredded makhorka when using protransportation. Tabak 13, No. 6, 1952	eumatic
9•	. Monthly Lists of Russian Accessions, Library of Congress, March 19	53, Unclassified.











Chalmovskiy, M.A., Candidate of Technical Sciences. NUMBER:

Scolling copper sulphide concentrates with oxygen blast. TITLE: (Flavka mednyth sul'fidnyth kontsentratov na

hislorodnom dut'ye).

FLRIODICAL: Tsvetnyye Hetally, 1957, No.9, pp. 49-57 (USSR).

APSTRACT: The author describes and discusses foreign practice, especially that at Copper Cliffs, on smelting copper concentrates with oxygen. He considers the possible application of this method to Soviet copper-sulphide concentrates and decides in favour of this. An editorial note states that this decision is incorrect for Ural concentrates which, because of favourable heat conditions, can be flash smelted without an oxygen blast. The note recommends further technical-economic calculations before making a decision.

There are 5 figures, 3 tables and 9 references - 8 Russian,

1 English.

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AVAILABLE: Library of Congress.

Card 1/1 1. Copper-Smelting 2. Oxygen-Blast-Application

SOV/124-57-4-4972

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 146 (USSR)

AUTHOR: Fradlin, B. N., Shakhnovskiy, S. M.

TITLE: On the Stressed State of Initially-distorted Slender Rods (O naprya-

zhennom sostoyanii pervonachal'no iskrivlennykh tonkikh sterzhney)

PERIODICAL: Izv. Kiyevsk. politekhn. in-ta, 1955, Vol 18, pp 42-52

ABSTRACT: On the basis of the results of the design calculation of a paddle wheel

as a whole, the authors investigate the stresses in struts which arise in the strut junction constraints. The theory of the equilibrium of slender elastic rods serves as a basis for the calculations. The paper shows the considerable effect of the distortion of the struts on the local stress distribution. Such a localized stress rise may be one of

the reasons for the failure of struts.

N. A. Kil'chevskiy

Card 1/1

UTHORS:	Fradlin, B.N. and Shakhnovskiy, S.M SOV-21-58-4-6/29
FITLE:	On Obtaining Integro-Differential Equations for the Equi- librium of Inclined Shells (O sostavlenii integro-differ- entsial nykh uravneniy ravnovesiya pologikh obolochek)
PERIODICAL:	Dopovidí Akademii nauk Ukrains koi RSR, 1958, Nr 4, pp 381-385 (USSR)
ABSTRACT:	Applying N.A. Kil'chevskiy's method Ref. 1,2 the authors reduce the problem of the equilibrium of a gently inclined shell, subjected to an arbitrary load, to a system of functional equations which looks as follows
	$ \mathcal{U}_{(i)_{\alpha}}(M,N) = V_{(j)_{\alpha}}(M,N) - \iint_{\omega} \left[K_{(\alpha)}^{i}(Q,M)\mathcal{U}_{(i)_{j}}(Q,N) + \int_{(i)_{\alpha}} (Q,M)\mathcal{U}_{(i)_{j}}(Q,N)\right] dS_{\alpha} - A_{(i)_{\alpha}}(M,N) + A_{(i)_{\alpha}}^{i}(M,N) $ (1)
	of the vector of an elementary
	turn around point N induced by a collesponding and force applied to point N; $A_{iij\alpha}$ (M,N) is the work of auxi-
	liary efforts $T^{\sigma}_{\mu}(V_{(i)}\alpha)$ and moments $M^{\sigma}_{\mu}(V_{(i)}\alpha)$ applied to the periphery of the middle surface of the shell, on the
Card 1/3	to the periphery of the middle surface work of main efforts main displacements; $A'_{(N)}$ (M,N) is the work of main efforts

SOV-21-58-4-6/29 On Obtaining Integro-Differential Equations for the Equilibrium of Inclined Shells

 T_{μ}^{σ} ($U_{(i)\sigma}$) and moments M_{μ}^{σ} ($U_{(i)\sigma}$) applied to the periphery of the middle surface of the shell, on the auxiliary displacements; $U_{(i)\sigma}$ can be considered as components of the Green tensor for a shell, on the middle surface of which an arbitrary load X^{δ} acts, and dS_{Q} is an element of the surface in the vicinity of point Q. The authors derive formulae for the nuclei $K_{(\alpha)}^{\prime}$ and $L_{(\alpha)}^{\dagger}$ and for the operators $A_{(i)\alpha}$ and $A_{(i)\alpha}^{\prime}$, making use of the corresponding equations in V.Z. Vlasov's technical theory of inclined shells \sqrt{Ref} . $3\sqrt{Ref}$ and in A. Lyav's paper \sqrt{Ref} . $4\sqrt{Ref}$. As an example, the authors

Card 2/3

SOV-21-58-4-6/29

On Obtaining Integro-Differential Equations for the Equilibrium of Inclined Shells

consider the computation of an inclined hinged shell (whose projection on a plane is rectangular) acted upon by an evenly distributed load. There are 5 Soviet references.

ASSOCIATION:

Kiyevskiy politekhnicheskiy institut (Kiyev Polytechnic In-

stitute).

PRESENTED:

By Member of the AS UkrSSR, G.N. Savin

SUBMITTED:

July 10, 1957

NOTE:

Russian title and Russian names of individuals and institutions appearing in this article have been used in the

transliteration.

1. Shells--Mathematical analysis 2. Differential equations --Applications 3. Operators (Mathematics)--Applications

4. Shells--Stability

Card 3/3

SOV/179-59-1-24/36

AUTHORS: Fradlin, B. N. and Shakhnovskiy, S. M. (Kiyev)

TITIE: Functional Equilibrium Equations of Sloping Shells (O funktsional'nykh uravneniyakh ravnovesiya pologikh obolochek)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1959, Nr 1, pp 144-149 (USSR)

ABSTRACT: Using the method proposed by Kil'chevskiy (Refs.1 and 2) the problem of equilibrium of a sloping shell is reduced to the investigation of a system of functional equations. There are 6 Soviet references.

SUBMITTED: June 6, 1958.

Card 1/1

68L70 16.5600 8/179/59/000/06/021/029 E081/E141 Fradlin, E.N., and Shakhnovskiy, S,M. (Kiyev) AUTHORS: The Determination of Green's Tensor in Equilibrium TITLE: Problems of a Sloping Shall V: FERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1959, Nr 6, pp 132-134 (USSR) ABSTRACT: In conformity with the method of N.A. Kil chevskiy, the integral equilibrium equation or a sloping snell of rectangular plan and with hinged support round the contour has the form (1, 2) a b $u_{(i)\beta}(M, N) = v_{(i)\beta}(M, N) - \int_{0}^{\infty} \int_{0}^{\infty} K_{(\beta)} J(Q, N) u_{(i)j}(Q, N)$ (1)dxo dyo where, here and subsequently, 1, $\beta = 1.2.3$; $\alpha = 1, 2$; j = 1,2,3 and performs summation; m, n = 1,2. If we choose an auxiliary system of displaced points on a hinged - supported plate, coinciding with the plan of Card the shell, arising under the action of unit forces directed 1/11 parallel with the coordinate axes, we find

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	5/179/59/000/06/021/ E081/E1+1 E001/11brium Problems	
The Deter Sloping S	rmination of Green's Tensor in Equilibrium Problems Shell $V_{(i)\beta}(P, R) = \sum_{m,n} A_{mn}^{(i)\beta} Z_{mn}^{\beta}(P) Z_{mn}^{i}(R)$	(2)
	where $Z_{mn}^{-1}(R) = \cos \frac{m \pi x_R}{a} \sin \frac{n \pi y_R}{b}$, $Z_{mn}^{-2}(R) = \sin \frac{m \pi x_R}{a} \cos \frac{n \pi y_R}{b}$,	
	$z_{mn}^{3}(R) = \sin \frac{n \pi x_{R}}{a} \sin \frac{n \pi y_{R}}{b}$	
	$A_{mn}(1)1 = \frac{4\epsilon}{7.2 \text{Bh}} \frac{x_{mn}}{x_{mn}^2}, A_{mn}(2)2 = \frac{4\epsilon}{2.2 \text{Bh}} \frac{\delta_{mn}}{\lambda_{mn}^2},$ $A_{mn}(3)3 = \frac{48(1 - 5^2) \epsilon^2}{7.2 \text{ Eh}^3} \frac{1}{\lambda_{mn}^2},$	
Gard 2/11	$A_{mn}(1)^2 = A_{mn}(2)^1 = -\frac{4(1+3)^2 \epsilon^2}{\pi^2 Eh} \frac{mn}{\omega mn^2},$	
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The Determination of Green's Tensor in Equilibrium Problems of a Sloping Shell

$$A_{mn}(\alpha)\beta = A_{mn}(\beta)\alpha = 0 \qquad (\varepsilon = a/b),$$

$$\gamma_{mn} = (1 - v^2) m^2 + 2(1 + v) \epsilon^2 n^2$$

$$\delta_{mn} = 2(1+v)m^2 + (1-v^2)\epsilon^2n^2$$
, $\delta_{mn} = m^2 + \epsilon^2n^2$.

Without going into details, all operations used below on the series (2) follow either immediately or with the aid of the theory of generalised functions. This representation of tangential displacements was used by N.I. Remizov in the candidate dissertation "Integral Equations of Equilibrium of Thin Elastic Cylindrical Shells" Kiyev Polytechnical Institute 1958.

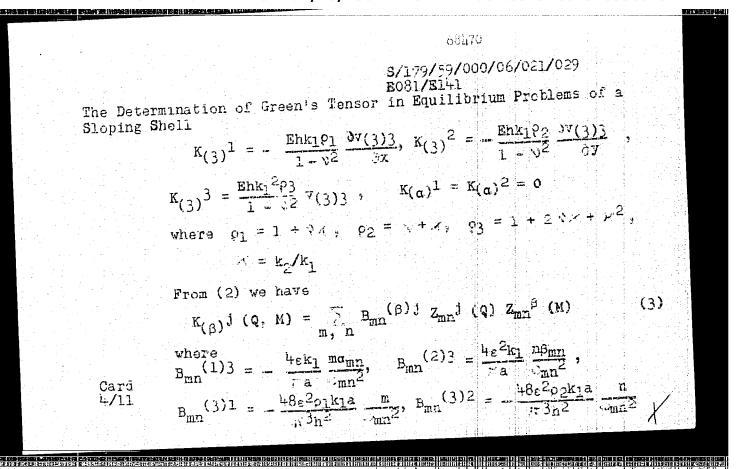
Using the differential equilibrium equations of a sloping shell (3) to determine the kernel $K_{(\beta)}$, we obtain (2)

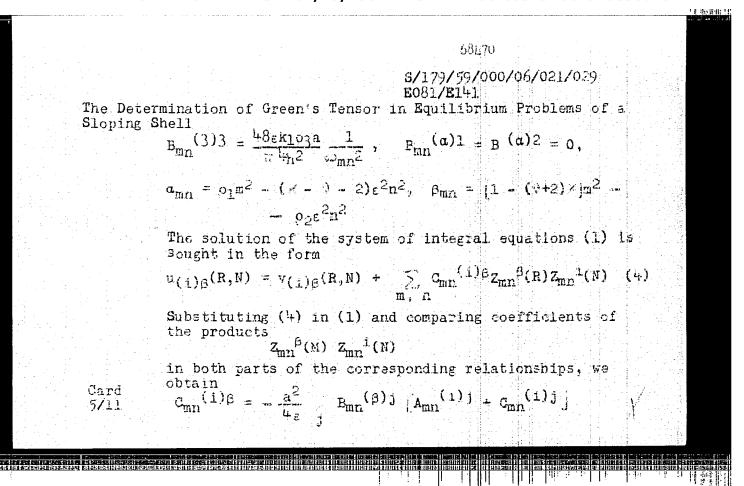
$$K_{(\alpha)}^{\beta} = \frac{Ehk_1}{1 - \sqrt{2}} \left[\rho_1 \frac{\partial V(\alpha) 1}{\partial x} + \rho_1 \frac{\partial V(\alpha) 2}{\partial y} \right].$$

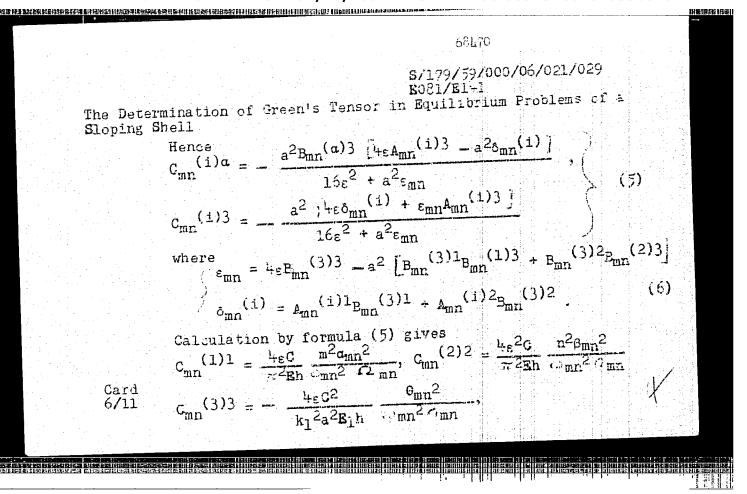
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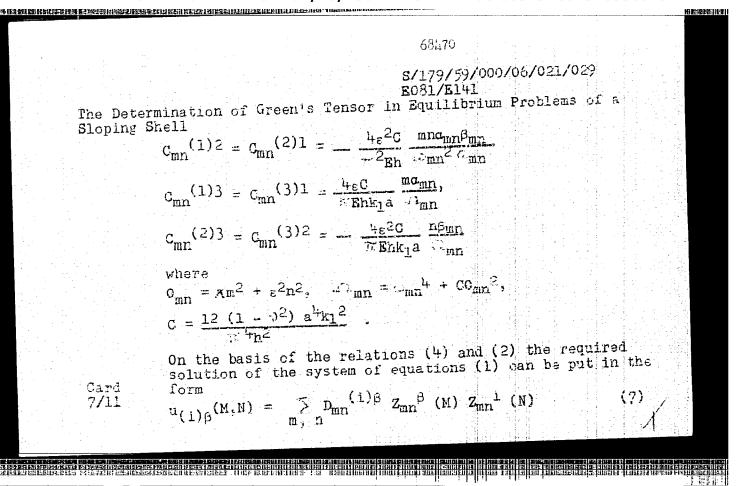
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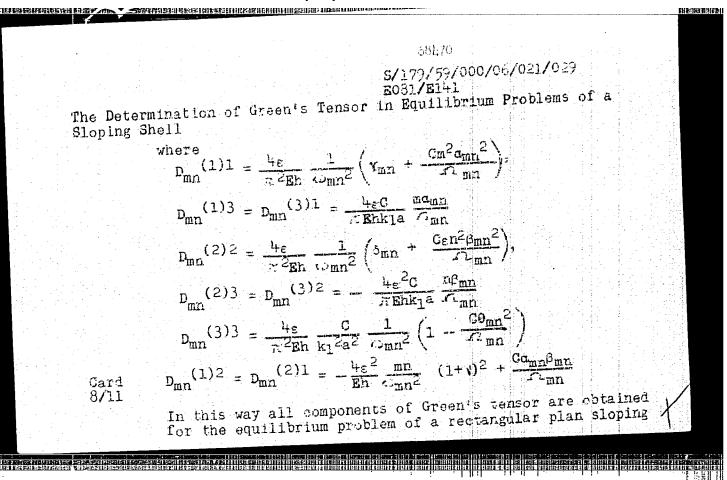
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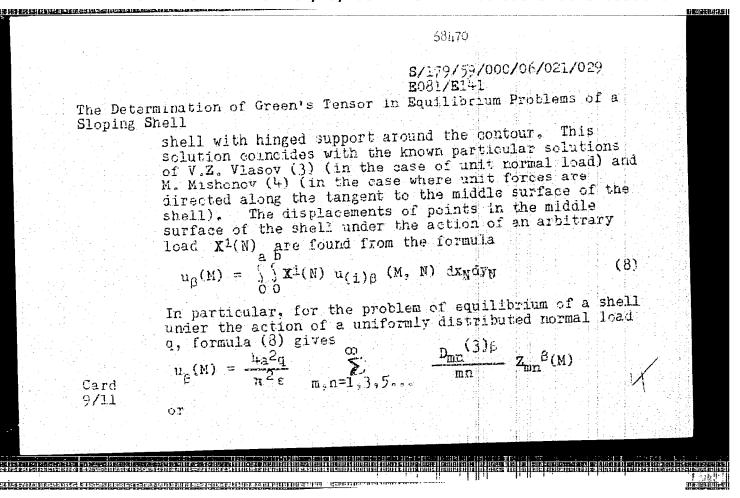












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The Determination of Green's Tersor in Equilibrium Problems of a Sloping Shell

S.A. Ambartsumyan (5). In our paper (2) we did not taks tangential displacements into account; and the approximate expression for the deflection which we obtained naturally differs from Eq (9). This is a complete translation.

SUBMITTED: April 20, 1959

Literature references:

- 1) Kil'chevskiy, M.O. Approximate method of calculating displacements in cylindrical shells. Zbiroik pratsinstituty matem. AN Ukr. SSR Nr 8. 1945.
 2) Fradlin. B.N., Shakhnovskiy, S.M. Functional squilt-brium equations of sloping shells. Izv. AN SSSR OTN
- (Mekhanika i mashinostroyeniye), Nr 1, 1959.
 3) Vlasov, V.Z. General theory of Shells. GITTL, 1949.
 4) Mishonov, M. Theory of Sloping Shells, Prikladnaya

Matematika i Mekhanika, Vol 22, Part 5, 1958.
5) Ambartsumyan, S.A. The Calculation of Sloping Shells.
PMM Vol 11, Part 5, 1947.

11/11

SHANHOV, A.

84-11-23/36

AUTHOR:

Shakhov, A., Chief of a Repair Establishment, Vaynshteyn, G., Chief of the Design Department of the

Technical Control Bureau of the Establishment

TITLE:

Along the Path of Technical Progress (Po puti tekhni-

cheskogo progressa)

PERIODICAL:

Grazhdanskaya aviatsiya, 1957, Nr 11, pp. 28-31 (USSR)

ABSTRACT:

The process of introduction of the flow method of work in an exemplary repair establishment and the problems solved are described. The first aircraft repaired by the new method was delivered in 1956. The output of the The production establishment increased by 12 percent. capacity planned for the establishment has been exceeded 1.5 times. The average repair time per aircraft was shortened by 15 percent. The output rate was stabilized over the monthly periods. During 1956 168 different innovations and improvements have been introduced saving 594,000 rubles. During the 9 months of 1957, 140 proposals have been submitted, promising an economy of about a million rubles a year. The effectiveness of invidual

Card 1/2

Along the Path of Technical Progress (Cont.)

84-11-23/36

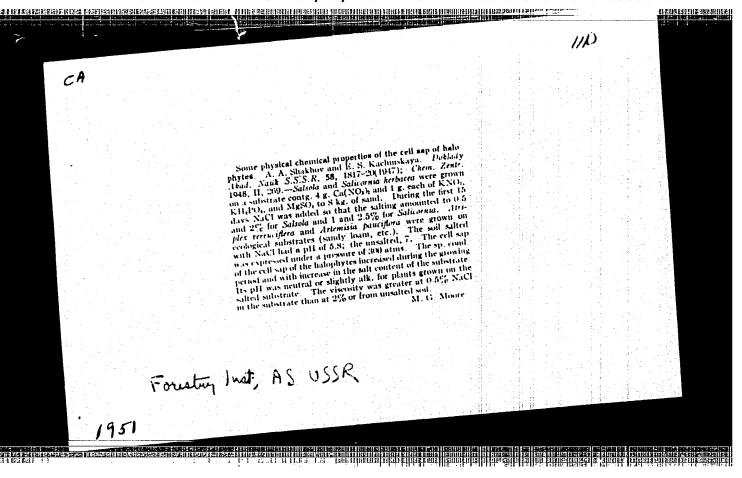
improvements in terms of achieved savings, has grown, on the average, as follows: in 1954 - 1954 rubles, in 1955 - 2,140; and in 1956 - 3,100 rubles. Much attention has been paid to on-the-job training of specialists, especially the young.

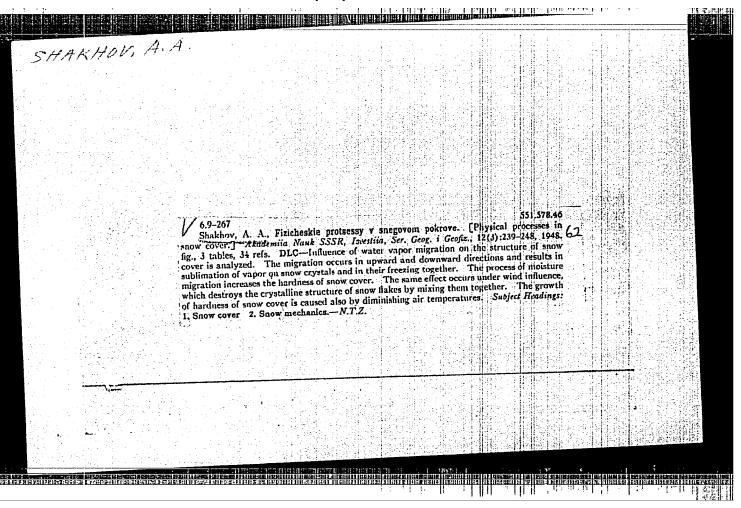
There are schools of advanced work methods in all shops, listing about 200 young workers. There is a school for qualified foremen lacking theoretical knowledge, with 34 students. The entire personnel has 2-hour classes in specialized groups every Tuesday, the work hours being extended correspondingly. First grade status was awarded to 150 workers; 569 have been upgraded during the last 3 years. Serial overhaul of the Mi-4 helicopter was started in 1956, and that of the Mi-1 was organized during 1957. By October, 1957, the repair of the ASh-82-V engine was mastered. Experimental work on the repair of jet engines of the Tu-104 airliner is going on. 2 photographs and 3 sets of diagrams accompany the text.

AVAILABLE: Library of Congress

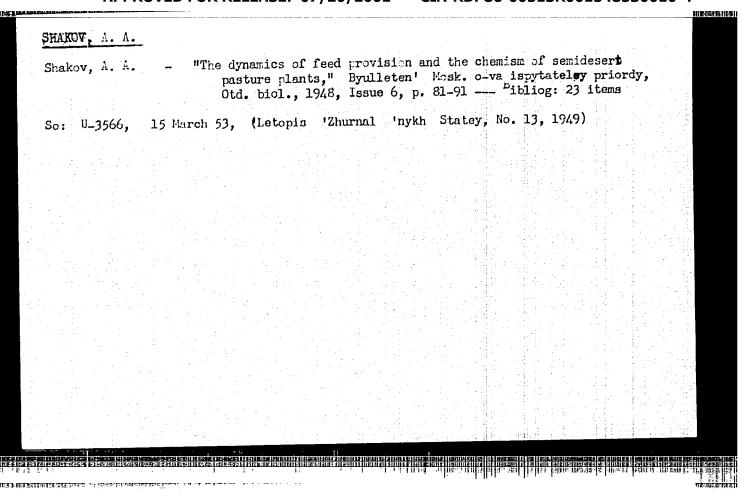
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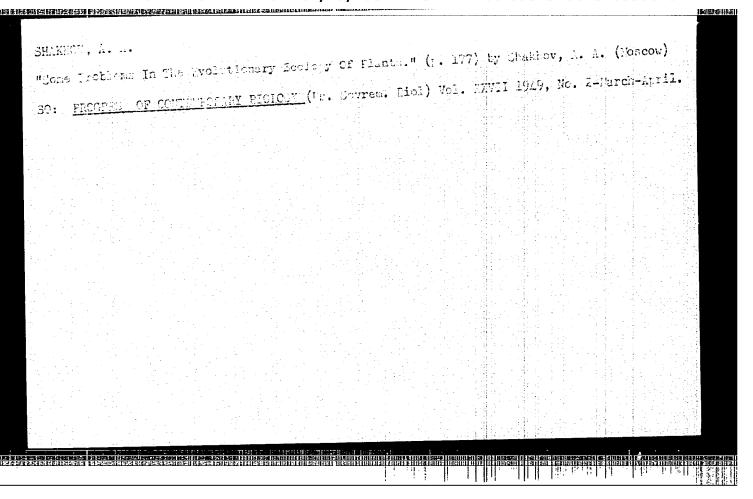
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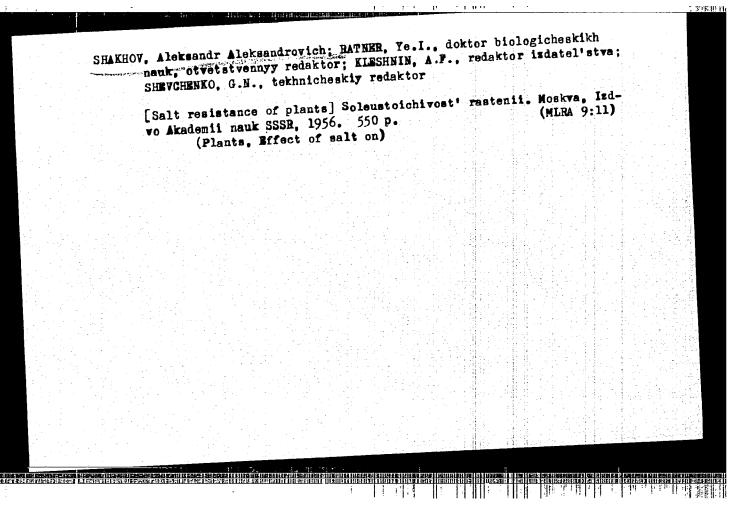


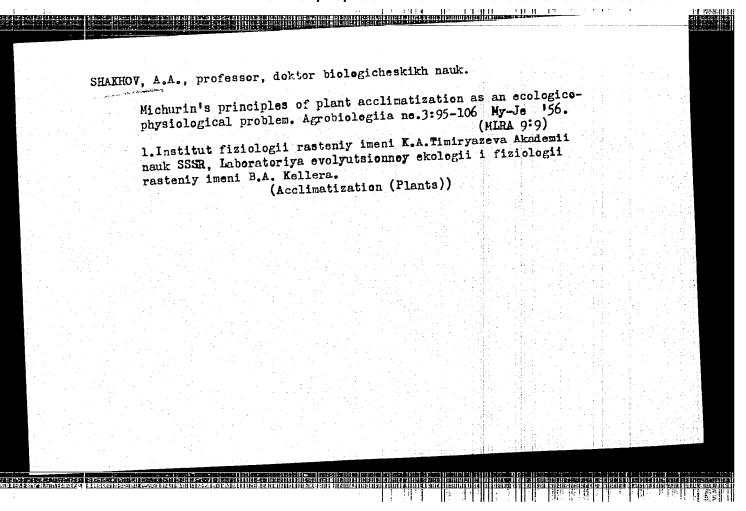
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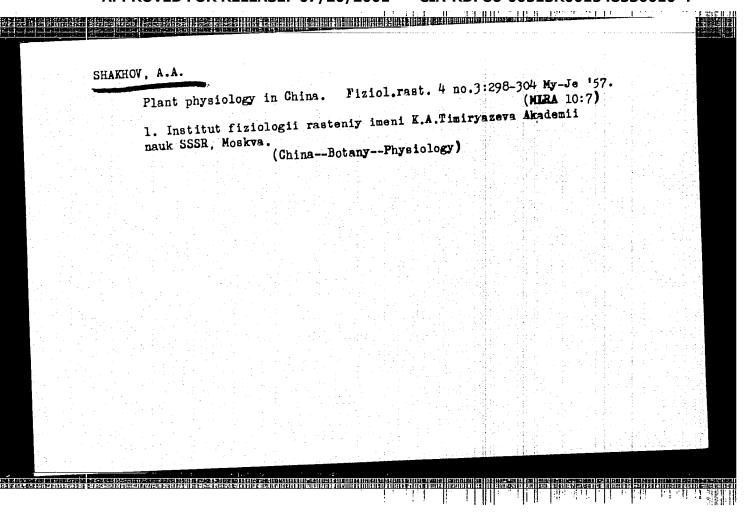
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1.	SHAKHOV, A. A.	
2.	USSR (600)	
4.	Botany - Caucasus, Northern	
7.	New conquests ("In the subtropics of the northwestern Caucasus." V. D. Kislyakov. Reviewed by A. A. Shakhov). Priroda 41 no. 12, 1952.	
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CHIMA/Plant Physiology. General Problems

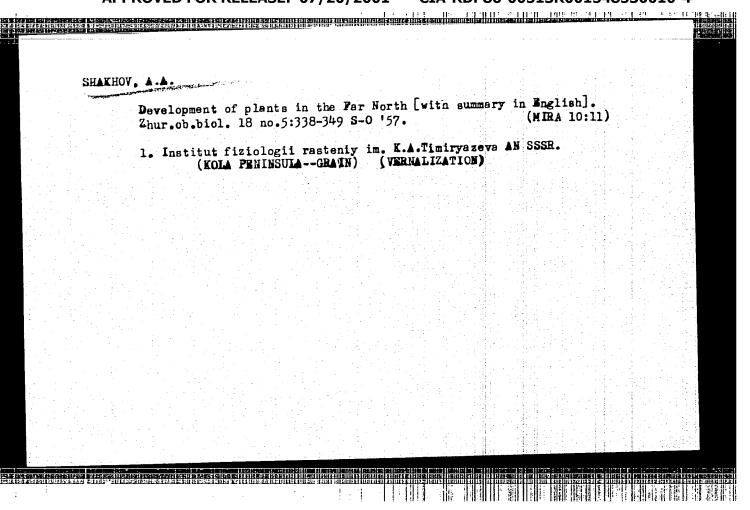
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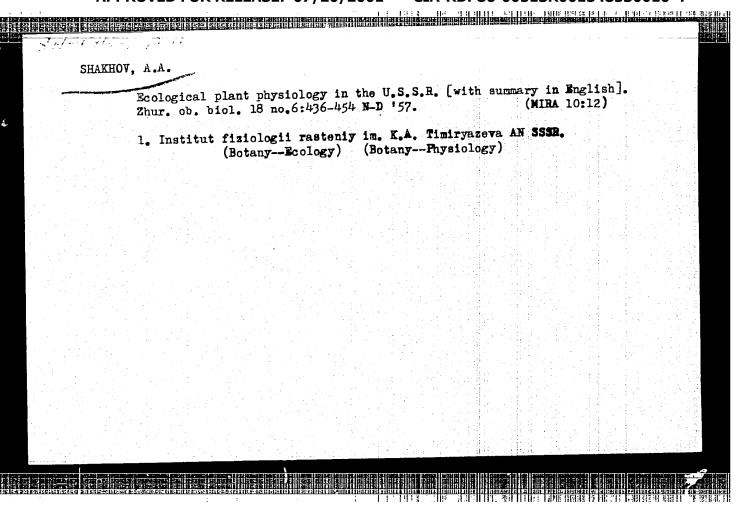
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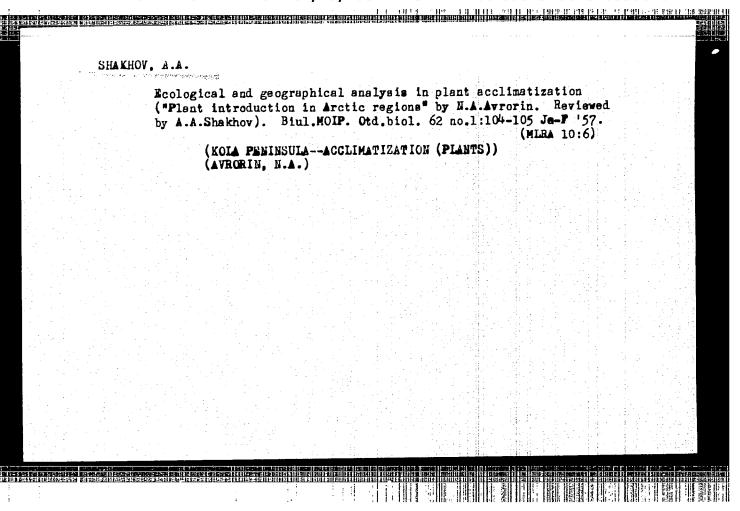
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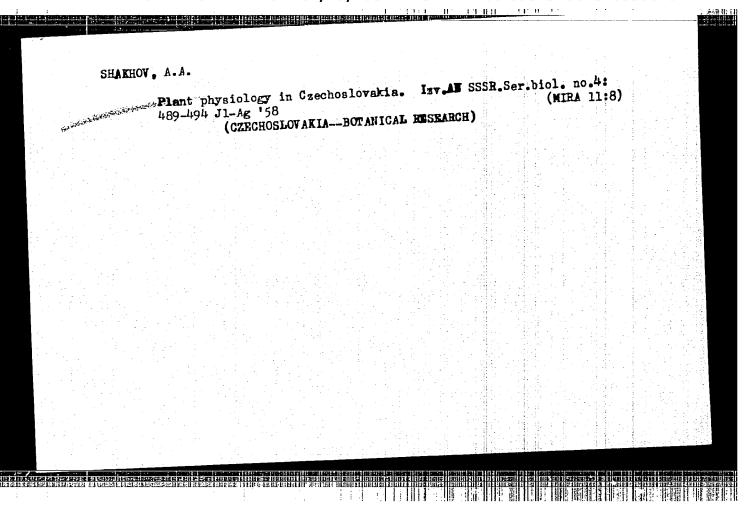
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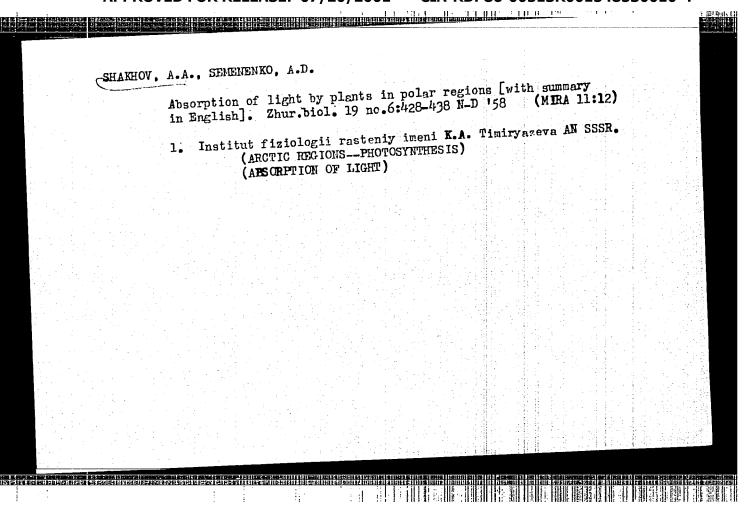


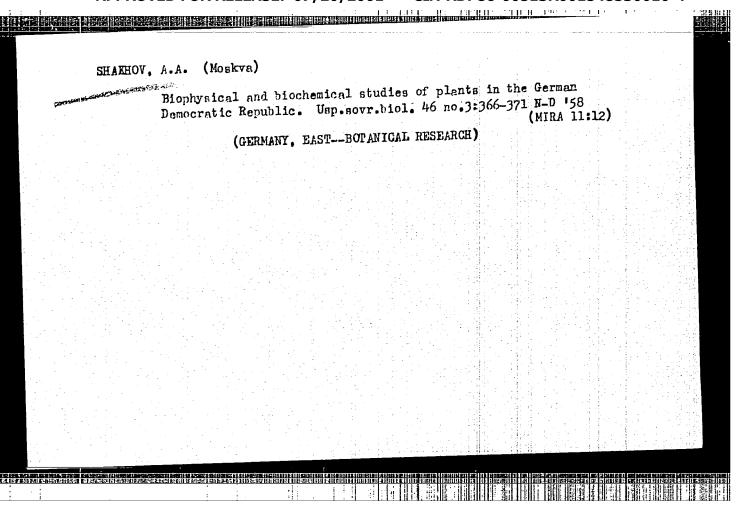






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SHAKHOV, A.A.; STARKO, S.A.; KOROVIN, A.I.

Ecological characteristics of light assimilation by plants in the North. Izv.Kar.i Kol'.fil.AN SSSR no.4:54-67 '59.

(NIRA 13:5)

1. Institut fiziologii rasteniy AN SSSR i Institut biologii

(Flants, Effect of light on)

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SHAKHOV, A.A.; SHAYDUROV, V.S.

Energetics of photosynthesis in plants during the polar day. Zhur. ob.biol. 20 no.6:418-427 N-D '59. (MIRA 13:4)

1. Institute of Plant Physiology, Academy of Sciences of the U.S.S.R., Moscow. (ARCTIC REGIONS--PHOTOSYNTHESIS)

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SHAKHOV, A.A.; STANKO, S.A.; KHAZANOV, V.S.; D'YAKONOV, F.S. Spectral characteristics of plants. Bot.zhur. 44 no.12:1681-1693 (MIRA 13:4) D 159. 1. Institut fiziologii rasteniy AN SSSR, i Vsesoyuznyy nauchnoissledovatel'skiy svetotekhnicheskiy institut, Moskva. (Arctic regions--Leaves--Optical properties)

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1. Institute of Plant Physiology, Academy of Sciences of the U.S.S.R., Moscow. (ARCTIC REGIONSPLANTS, EFFECT OF LIGHT ON)
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